IN THE CLAIMS

Please cancel claims 1-23 without prejudice or disclaimer, and substitute new Claims 24-46 therefor as follows:

Claims 1-23 (Cancelled).

24. (New) A system for the quality status analysis of an access network of a fixed network infrastructure, said access network comprising a plurality of cables, a set thereof supporting broadband transmissive systems, comprising:

an information acquisition module configured for drawing static network information stored in first data sources and dynamic network information relating to said broadband transmissive systems from second data sources; and

an information processing module configured for:

collecting said static and dynamic network information from said information acquisition module; and

processing said static and dynamic network information to obtain at least one index representing said quality status of said access network.

25. (New) The analysis system, as claimed in claim 24, wherein said dynamic network information comprises transmissive parameters associated with said broadband transmissive systems.

26. (New) The analysis system, as claimed in claim 24, where said static network information comprises at least information about a structure of said access network.

27. (New). The analysis system, as claimed in claim 24, wherein said second data sources comprises network apparatuses, each network apparatus being configured for handling traffic coming from the cables connected thereto.

28. (New) The analysis system, as claimed in claim 24, wherein said first data sources comprise network inventories.

29. (New) The analysis system, as claimed in claim 24, wherein said information acquisition module comprises an access interface to access said first data sources.

30. (New) The analysis system, as claimed in claim 24, wherein said information acquisition module comprises a data access portion configured to access said second data sources.

31. (New) The analysis system, as claimed in claim 30, wherein said data access portion comprises:

a plurality of blocks of commands requesting the measuring of said dynamic network information associated with said broadband transmissive systems, said blocks of command being organised in parallel sessions, each session being associated with one or more data sources located in a specific portion of said fixed network infrastructure;

a plurality of handlers, each handler being configured to handle communication with said one or more data sources by controlling communication channels associated with said one or more data sources; and

an adaptive controller configured for selecting among said plurality of handlers to one whereto a specific block of commands included in a specific session is to be sent.

32. (New) The analysis system, as claimed in claim 31, wherein each handler is configured for handling:

compliance with the maximum number of communication channels which can be controlled simultaneously by a single data source;

multiple access by multiple sessions to each data source; and

the priorities between said sessions.

33. (New) The analysis system, as claimed in claim 31, wherein at least a handler comprises an apparatus handler configured for accessing the respective data source directly, said apparatus handler comprising a channel dispatcher to receive said blocks of commands from said communication bus, queue them in appropriate queues and send them to said data source through the communication channels managed by said data source.

34. (New) The analysis system, as claimed in claim 31, wherein said at least one handler comprises an element manager handler configured for accessing one or more data source through a management module of said data source, said element manager handler comprising;

an apparatus dispatcher module to receive blocks of commands from said communication bus and queue them in appropriate queues differentiated by destination data source; and

a channel dispatcher module to check said queues and, for each queue, determine the next block of commands to be sent to the related management module, through the communication channels managed thereby.

35. (New) The analysis system, as claimed in claim 31, wherein said adaptive controller comprises a list of handlers.

36. (New) The analysis system, as claimed in claim 24, wherein said index is a geometric saturation index indicative of the degree of use of said cables in terms of supported broadband transmissive systems.

37. (New) The analysis system, as claimed in claim 24, wherein said index is a transmissive saturation index indicative of the transmissive status of said cables in terms of bit rate of the support broadband transmissive systems.

38. (New) The analysis system, as claimed in claim 24, comprising an interface for accessing a network operator.

39. (New) The analysis system, as claimed in claim 24, comprising a database in which are stored the results obtained by the analysis system.

40. (New) A method for the quality status analysis of an access network of a fixed network infrastructure, said access network comprising a plurality of cables, a set thereof supporting broadband transmissive systems, comprising the steps of:

accessing said first data sources to draw static network information stored in said first data sources;

accessing said second data sources to draw dynamic network information associated with said broadband transmissive systems; and

processing said static and dynamic network information to obtain at least one index representing said quality status of said access network.

41. (New) The method as claimed in claim 40, wherein said step of remotely accessing said second data sources to draw dynamic network information associated with said broadband transmissive systems comprises the steps of:

generating a plurality of blocks of commands requesting to measure said dynamic network information associated with said broadband transmissive systems;

organising said blocks of commands in parallel sessions, each session being associated with one or more data sources located in a specific portion of said fixed network infrastructure; and

sending a specific block of commands included in a specific session to a specific data source located in said specific portion of said fixed network infrastructure.

42. (New) The method, as claimed in claim 41, wherein said step of sending a specific block of commands included in a specific session to a specific data source located in said specific portion of said fixed network infrastructure comprises the steps of:

querying a communication bus configured for receiving said blocks of commands and selecting among a plurality of communication handlers the one whereto said specific block of commands is to be sent, each handler being configured to handle communication between said communication bus and said one or more data sources by controlling communication channels managed by said data sources.

43. (New) The method, as claimed in claim 40, wherein said steps of accessing first and second data sources comprise a step of repeatedly accessing said first and second data sources.

44. (New) The method, as claimed in claim 43, wherein said step of repeatedly accessing said first and second data sources comprises a step of periodically accessing said first and second data sources.

45. (New) A fixed network infrastructure, comprising an access network comprising a plurality of cables, a set thereof supporting broadband transmissive systems, and a system for analysing the quality status of said access network implemented according to claim 24.

46. (New) A program for an electronic computer, able to be loaded into the memory of at least an electronic computer and comprising program codes to implement the system of claim 24, when said program is capable of being executed by said electronic computer.